Pavel (Paul) Zolotarevskiy

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Experience

LUIS+ Moscow, Russia
Software Engineer September 2024 - August 2025
Worked as a full-stack developer for the CMS service and internal administration tools at a major B2B supplier of security solutions. Fixed issues in the internal tool for complex data ingestion and scraping from hundreds of incompatible sources

Stack: *TypeScript, Nest.js, MySQL, Vue, NATS*

Skills: *Microservices, Message brokers, Enterprise development, Data ingestion*
https://luis.ru

CHFTM
Team Lead, Developer May 2023 - Present
Assembled and led a programming team participating in various hackathons and olympiads

Stack: *Python, Flutter, Go*

Skills: *Team management, Rapid development, Product design*
https://github.com/chftm

Projects

med?
Medicine in Russia is basically unregulated, so I wrote this tool to let people check the evidence of drugs they take. It fetches data from a reverse-engineered internal GraphQL API of a medical database, adds aggregate data from trusted sources (ie. FDA, PubMed, WHO), shows the evidence level and summarizes the research using an LLM
https://med.fxgn.dev

Coursehunt
A tool that searches online courses across 6 major platforms, such as Udemy, edX, Coursera and more. Required building a common interface over multiple APIs, some of which are private/undocumented and used through reverse engineering

CalDAV sync
A personal project to aggregate data from a few sources without a public API into my task list. Includes a reverse-engineered API for my high school's LMS, as well as one for a large Russian online marketplace, obtained through capturing the traffic of their mobile app
https://github.com/flexagoon/caldav_sync

Rounded Window Corners Reborn
Completely re-wrote and refactored an abandoned extension for the GNOME desktop environment for Linux that adds rounded corners to all windows using a custom Fragment shader. The project currently has over 144000 downloads
https://github.com/flexagoon/rounded-window-corners/

Alumni Map
In a team of 5, developed a map of alumni/ex-faculty of our school to let them find each other and connect across the world
https://map.n.foundation

ream
A standalone re-implementation of Telegram's chat export functionality, allowing automaton of bulk backups of chats. This project required understanding of Telegram's messy C++ codebase, as well as the bespoke MTProto protocol it uses to transfer data
https://github.com/flexagoon/ream

AutoMenu
A script that automatically fetches and parses the PDF of the cafeteria menu for my high school, and then uses linear optimization to generate a daily meal plan according to configured nutrition goals
https://github.com/flexagoon/automenu

Skills

Backend
Python, Go, TypeScript, Elixir, SQL
●●●●●

Scripting/automation
Python, Fish, Bash, Julia, Lua
●●●●●

Frontend
HTML/CSS, TailwindCSS, Astro, React (Next.js), Vue
●●●○○

DevOps
Docker, CI/CD, SystemD, Bash, Ansible
●●●○○

Mobile Development
Flutter, Dart
●●●○○

Awards

Silver medalist March 2024
National Technological Olympiad for Cybersecurity
Silver medal in one of the largest nationwide cybersecurity CTF competiton
https://ntcontest.ru/tracks/nto-school/proekt-novoy-bezopasnosti/informatsionnaya-bezopasnost/

Winner 2022, 2024
National Data Analysis Olympiad
Won a medal twice in a competitive data science competition, with an individual knowledge test stage and a week-long team project stage analyzing a real dataset
https://dano.hse.ru

1st place August 2023
DriveIT Hack
Won a team hackathon organized by Moscow's public transport department, developing a prototype of a subway navigation app for smart watches

1st place
National Linguistics Research Competition
Won the 1st place with a computational linguistics research project on differences between online communication of students and teachers. Used Python with Polars and various NLP methods to analyze the data
https://olymp.hse.ru/projects/ling

Languages

English
C2 (IELTS 8.5, DET 155)
●●●●●

Russian
Native
●●●●●

Education

The New School High School • 5/5 GPA
2018 - 2025
https://n.school

Maastricht University Bachelor
Maastricht Science Programme
September 2025 - Ongoing
https://maastrichtuniversity.nl